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FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION	DOCKET NUMBER NPW 357	APPLICATION NUMBER 10/810,960
	APPLICANTS DAVID J. EDLUND, ARNE LaVEN, WILLIAM A. PLEDGER and CURTISS RENN	
	FILING DATE March 25, 2004	GROUP ART UNIT 1746

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MA	2,751,034	6/19/1956	Ringo et al.			
	2,824,620	2/25/1958	De Rosset			
	3,336,730	8/22/1967	McBride et al.			
	3,338,681	8/29/1967	Kordesch			
	3,350,176	10/31/1967	Green et al.			
	3,469,944	9/30/1969	Bocard et al.			
	3,487,608	1/6/1970	Gräff			
	3,986,849	10/19/1976	Fuderer et al.			
	4,038,054	7/26/1977	Gräff			
	4,098,959	7/4/1978	Fanciullo			
	4,098,960	7/4/1978	Gagnon			
MA	4,175,165	11/20/1979	Adlhart			

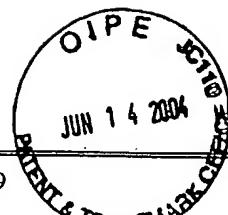
## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO

## OTHER DOCUMENTS

MA		Oertel, Michael, et al., "Steam Reforming of Natural Gas with Integrated Hydrogen Separation for Hydrogen Production," Chemical Engineering Technology, Vol. 10, pp. 248-55 (1987).
MA		Yang, Ralph T., "Gas Separation by Adsorption Processes," pp. 253-60, Butterworth Publishers, 1987.

EXAMINER		DATE CONSIDERED
Melissa Aust		11/8/04



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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MA	4,214,969	7/29/1980	Lawrance			
	4,272,265	6/9/1981	Snyder			
	4,406,675	9/27/1983	Dangieri et al.			
	4,452,612	6/5/1984	Mattia			
	4,468,235	8/28/1984	Hill			
	4,469,494	9/4/1984	van Weenen			
	4,553,981	11/19/1985	Fuderer			
	4,758,253	7/19/1988	Davidson et al.			
	4,787,417	11/29/1988	Windsor, Jr.			
	4,925,464	5/15/1990	Rabenau et al.			
	4,968,334	11/6/1990	Hilton			
MA	5,112,367	5/12/1992	Hill			

## FOREIGN PATENT DOCUMENTS

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## OTHER DOCUMENTS

EXAMINER <i>Melissa Aust</i>	DATE CONSIDERED <i>11/01/04</i>
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MA	5,114,441	5/19/1992	Kanner et al.			
	5,133,784	7/28/1992	Boudet et al.			
	5,176,722	1/5/1993	Lemcoff et al.			
	5,256,172	10/26/1993	Keefer			
	5,256,174	10/26/1993	Kai et al.			
	5,268,021	12/7/1993	Hill et al.			
	5,354,547	10/11/1994	Rao et al.			
	5,366,541	11/22/1994	Hill et al.			
	5,401,589	3/28/1995	Palmer et al.			
	5,432,710	7/11/1995	Ishimaru et al.			
	5,441,559	8/15/1995	Petit et al.			
MA	Re. 35,099	11/28/1995	Hill			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO

## OTHER DOCUMENTS


EXAMINER	DATE CONSIDERED
Melissa Ausl	11/8/04



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## U.S. PATENT DOCUMENTS

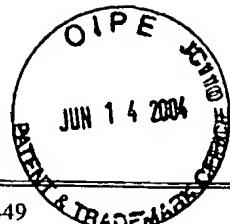
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MA	5,487,775	1/30/1996	LaCava et al.			
	5,593,478	1/14/1997	Hill et al.			
	5,637,414	6/10/1997	Inoue et al.			
	5,730,778	3/24/1998	Hill et al.			
	5,807,423	9/15/1998	Lemcoff et al.			
	5,814,130	9/29/1998	Lemcoff et al.			
	5,814,131	9/29/1998	Lemcoff et al.			
	5,820,656	10/13/1998	Lemcoff et al.			
	5,891,217	4/6/1999	Lemcoff et al.			
	5,932,181	8/3/1999	Kim et al.			
	5,979,440	11/9/1999	Honkonen et al.			
MA	6,045,933	4/4/2000	Okamoto			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

## OTHER DOCUMENTS

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
MK	6,051,050	4/18/2000	Keefer et al.			
	6,056,804	5/2/2000	Keefer et al.			
	6,063,161	5/16/2000	Keefer et al.			
	6,068,680	5/30/2000	Kulish et al.			
	6,083,637	7/4/2000	Walz et al.			
	6,143,056	11/7/2000	Smolarek et al.			
	6,168,422	1/2/2001	Motyka et al.			
	6,176,897	1/23/2001	Keefer			
	6,311,719	11/6/2001	Hill et al.			
	6,379,645	4/30/2002	Bucci et al.			
	6,406,523	6/18/2002	Connor et al.			
MA	6,451,095	9/17/2002	Keefer			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER <i>Melissa Austin</i>	DATE CONSIDERED <i>11/8/04</i>					



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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL DATE IF APPROP.
M.A.	6,457,485	10/1/2002	Hill et al.			
	6,471,744	10/29/2002	Hill			
	6,514,318	2/4/2003	Keefer			
	6,514,319	2/4/2003	Keefer et al.			
	6,623,719	9/23/2003	Lomax, Jr. et al.			
	6,627,338	9/30/2003	St-Pierre et al.			
	2002/ 0004157 A1	1/10/2002	Keefer et al.			
	2002/ 0058169 A1	5/16/2002	Golden et al.			
M.A.	2002/ 0110504 A1	8/15/2002	Gittleman et al.			
FOREIGN PATENT DOCUMENTS						
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OTHER DOCUMENTS						
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL DATE IF APPROP.
MJ	2002/0114747 A1	8/22/2002	Marchand et al.			
	2002/0124885 A1	9/12/2002	Hill et al.			
	2002/0127442 A1	9/12/2002	Connor et al.			
MJ	2003/0005928 A1	1/9/2003	Appel et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES      NO
OTHER DOCUMENTS						
EXAMINER <i>Wesley Ausi</i>			DATE CONSIDERED <i>11/8/04</i>			